BOSS FT-2

Dynamic Filter

INSTRUCTIONS

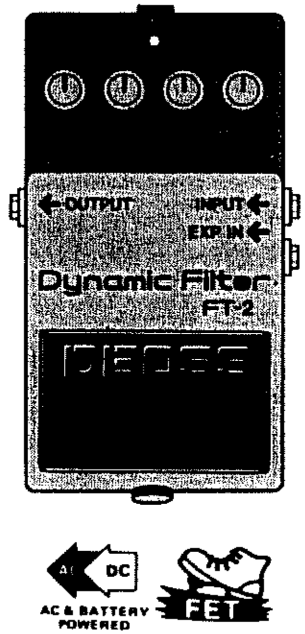
The BOSS Dynamic Filter FT-2 can change the cutoff frequency depending on the picking intensity on your guitar, creating a smooth wow effect. Adopting the newly developed filter, it can drastically change the harmonic contents without affecting the fundamental, creating tight sound which makes it useful even for a bass guitar or a keyboard.

The Cutoff Frequency Knob controls the cutoff frequency of the filter and the Q control adjusts the peak level of the filter, making wide variety of effect from soft filter effect to hard wow sound.

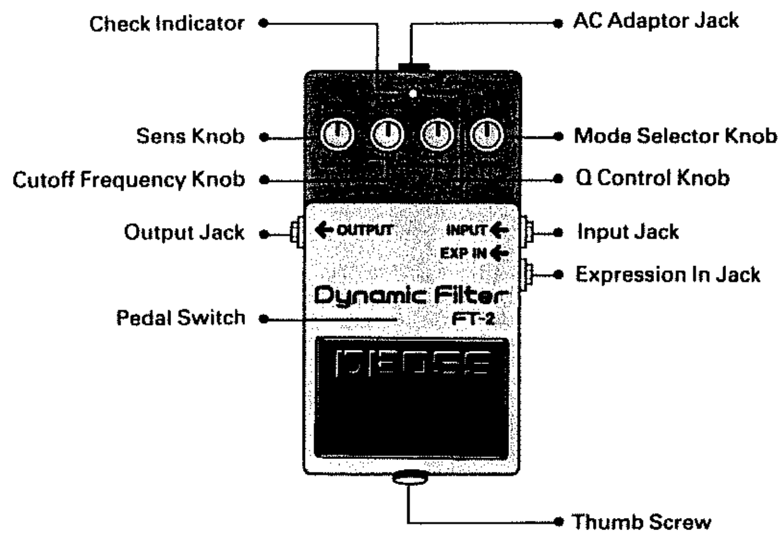
The Mode Switch allows to select Up, Down or Manual Filter mode.

By connecting the Expression Pedal (EV-5) to the Expression In Jack, the FT-2 can be used as a Wow Pedal.

Please read the instructions carefully.



PANEL DESCRIPTION



Check Indicator
This indicator serves as battery check and effect on/off. When the effect is on, the indicator lights up.
* When the indicator lights dimmer or does not light at all, replace the battery with a new one.

Sens Knob
This adjusts the depth of the wow effect. As it is rotated clockwise, the wow can be obtained even with a weak picking, and as rotated counterclockwise, the effect is engaged only with a strong picking.
* The guitar's volume is affected by the type of the pickup, so the optimum position of the Sens Knob varies depending on the type of the guitar you use and your playing manner.

Cutoff Frquency Knob
This knob controls the cutoff frequency of the filter. Rotating it clockwise increases the frequency and vice versa.

Output Jack
Connect the Output Jack to an amplifier or other effect unit.

Pedal Switch
Pressing the pedal turns on or off the effect.
(Adopting the FET switch, it is free from click noise.)

AC Adaptor Jack
Connect the BOSS ACA-120, 220 or 240 adaptor to this jack for long hour operation without worrying the battery consumption.

Mode Selector Knob
This selects one of the three filter modes: two Dynamic modes Up and Down or Manual.
In the Dynamic mode "UP", the filter's cutoff frequency increases by higher guitar level, and in the"DOWN"mode it decreases.
In the Manual mode, the filter's cutoff frequency is not affected by the input level, but can be changed with the Cutoff Frequency Knob. Therefore, this mode can be selected for tone controling.
Also, when using the Expression Pedal, select this mode.
* In the Manual mode, the Sens Knob does not work.

Q Control Knob
This knob sets the peak level of the filter. Rotating the knob clockwise increases the peak level, making the curve steeper, therefore deepens the wow effect. Rotating the knob counter-clockwise creates softer sound.
* Increasing the peak level too much will distort the sound.

Input Jack
This is to connect to a guitar or other electronic musical instrument.
* Plugging in the Input Jack turns the unit on. When the unit is not to be used, be sure to disconnect the cord.

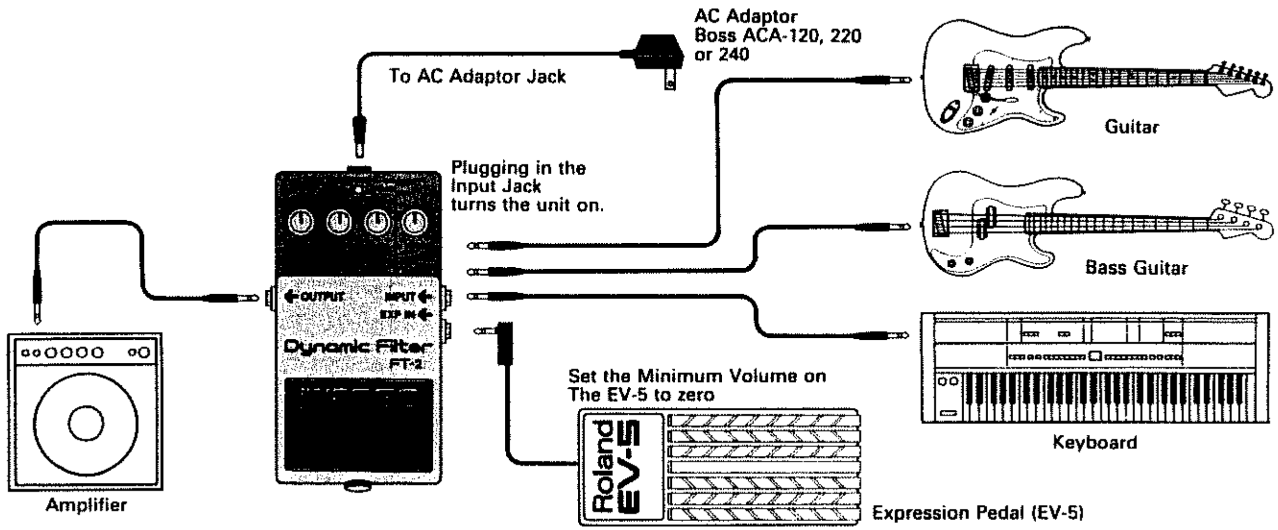
Expression In Jack
Connect the Expression Pedal (EV-5) to this jack.
* Please do not use the Expression Pedal other than the Roland EV-5, or the FT-2 will not work properly.

Thumb Screw
Loosen the Thumb Screw and open the pedal for battery replacement.
* Please do not remove the screw from the pedal in case you lose it.

IMPORTANT

- When operating the FT-2 from the AC line, use the BOSS AC Adaptor (ACA series).
- Avoid using the FT-2 in extreme heat, humidity or where it may be affected by dust.

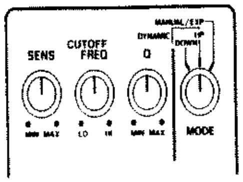
CONNECTIONS



When the unit is not to be used, be sure to disconnect the connection cord from the Input Jack.

OPERATION

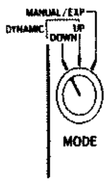
Dynamic Mode

1 

Make all the necessary connections and set the controls on the panel as shown left.

2 

Press the pedal switch to turn the effect on.
* When the indicator is lighted, the effect is on.
* This indicator also serves as battery check. When it lights dimmer or does not light at all, replace the battery.

3 

Set the Mode Selector Switch to UP or DOWN.

4 

By rotating the Sens Knob, adjust the sensitivity of the effect.

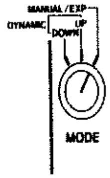
5 

Adjust the peak level by rotating the Q Control Knob.

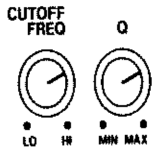
6 

Rotating the Cutoff Frequency Knob, set the cutoff frequency of the filter.

Manual Mode

1 

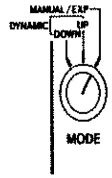
Set the Mode Selector Switch to the MANUAL/EXP position.

2 

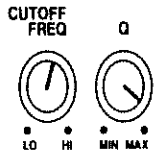
Set the Q Control Knob to the appropriate position, then select the frequency to be boosted by using the Q Control Knob.
* In the Manual mode, the Sens Knob does not work.

Wow Pedal

1 Connect the Expression Pedal (EV-5) to the Expression In Jack.
* Be sure that the Minimum Volume on the EV-5 is set to zero.

2 

Set the Mode Selector Switch to the MANUAL/EXP.

3 

Set the Q Control and the Cutoff Frequency Knobs to the appropriate positions.
* Here, the Sens Knob does not work.
* The Expression Pedal does not work as Wow Pedal if the Mode Selector Switch is set to the Up or Down position. (Dynamic mode).

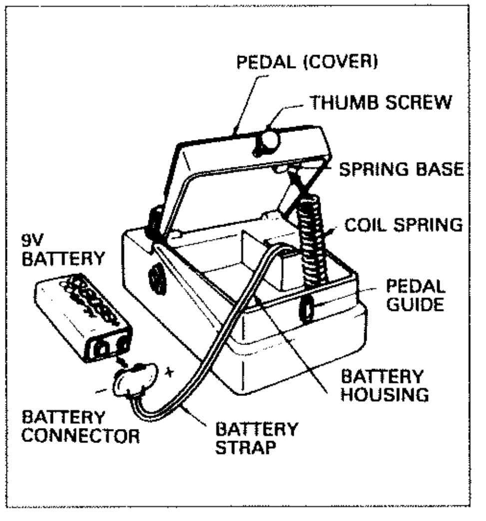
BATTERY REPLACEMENT

USE ONE 9-VOLT BATTERY.

❶ Loosen the screw of the pedal to open it and take out the battery from its housing.

❷ Replace the battery with a new one and put it into position.

❸ Set the coil spring onto the SPRING BASE on the back of the pedal and shut the cover (pedal). Finally, insert the screw into the pedal guide and tighten it.
At this time, be careful not to catch the battery strap in the cover or coil spring.



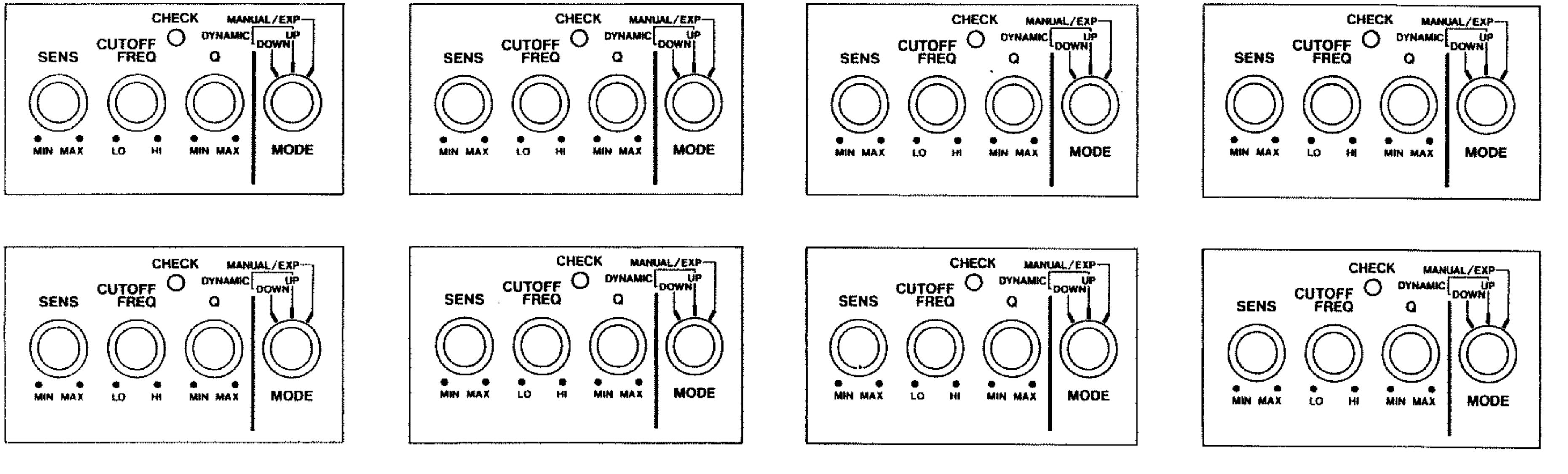
CAUTIONS

- When you do not use the unit for a long period, remove the battery to prevent the trouble caused by battery leakage.
- When battery voltage drops, effect becomes inferior or no sound is produced, immediately replace the battery.
- Be sure to keep the battery securely connected even when using AC adaptor.
  * Even if AC Adaptor cord comes out during performance, operation immediately changes to battery, causing no trouble in continuing performance.
- The unit is switched on when plugged in the Input Jack. When you do not use the unit, disconnect the plug from the jack.

AC ADAPTOR (OPTION)

- For AC operation, be sure to use the BOSS AC Adaptor ACA-120, 220 or 240 depending on the voltage system in your country, and never use one Adaptor for two units simultaneously.

SETTING MEMO



SPECIFICATION

Power .... 9V DC, Dry cell battery (× 1) or AC Adaptor (ACA-120, 220 or 240)
Current Draw .... 16mA (9V DC)
Controls .... Sens, Cutoff Frequency, Q Control
Switches .... Mode Selector, Effect On/Off
Indicators .... Effect On/Off (Battery check)
Jacks .... Input, Expression In, Output, AC Adaptor
Residual Noise .... −85dBm (IHF-A)
Input Impedance 1MΩ
Output Load Impedance .... Over 10kΩ
Dimensions .... 70 (W) × 125 (D) × 55 (H) mm/ 2 3/4" × 4 15/16" × 2 3/16"
Weight 400g/14oz

* Specifications are subject to change without notice.

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2603060200

UPC 2603060200

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